Application No: 10581106   Version No: 1.0

Input Set:

Output Set:

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Finished: 2011-03-03 20:05:16.689
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 171 ms
Total Warnings: 133
Total Errors: 0
No. of SeqIDs Defined: 133
Actual SeqID Count: 133

Error code   Error Description

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W   213   Artificial or Unknown found in <213> in SEQ ID (6)

W   213   Artificial or Unknown found in <213> in SEQ ID (7)

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W   213   Artificial or Unknown found in <213> in SEQ ID (9)

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W   213   Artificial or Unknown found in <213> in SEQ ID (11)

W   213   Artificial or Unknown found in <213> in SEQ ID (12)

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W   213   Artificial or Unknown found in <213> in SEQ ID (14)

W   213   Artificial or Unknown found in <213> in SEQ ID (15)

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         Input Set:


         Output Set:



           Started:   2011-03-03 20:05:13.518
          Finished:   2011-03-03 20:05:16.689
           Elapsed:   0 hr(s) 0 min(s) 3 sec(s) 171 ms
    Total Warnings:   133
      Total Errors:   0
No. of SeqIDs Defined:   133
 Actual SeqID Count:   133
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Error code   Error Description

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<110> Genencor International, Inc.

       Fox, Judith A.

       Harding, Fiona A.

       Schellenberger, Volker

<120> CAB Molecules

<130> GC822-PCT

<140> 10581106
<141> 2011-03-03

<150> PCT/US2004/041429
<151> 2004-12-10

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            20   25   30

Tyr Met His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35   40   45

Xaa Trp Ile Asp Pro Glu Asn Gly Asp Thr Glu Tyr Ala Pro Lys Phe
    50   55   60

Gln Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
65   70   75   80

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
                85   90   95

Xaa Xaa Gly Thr Pro Thr Gly Pro Tyr Tyr Phe Asp Tyr Xaa Xaa Xaa
            100   105   110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        115   120   125

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    130   135   140

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Ala
145   150   155   160

Ser Ser Ser Val Ser Tyr Met His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            165   170   175

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Thr Ser Asn Leu Ala Ser Xaa Xaa
            180   185   190

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        195   200   205

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gln Gln
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Arg Ser Ser Tyr Pro Leu Thr
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Ser Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Ser
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Tyr Met His Trp Leu Arg Gln Gly Pro Glu Gln Gly Leu Glu Trp Ile
        35   40   45

Gly Trp Ile Asp Pro Glu Asn Gly Asp Thr Glu Tyr Ala Pro Lys Phe
    50   55   60

Gln Gly Lys Ala Thr Phe Thr Thr Asp Thr Ser Ser Asn Thr Ala Tyr
65   70   75   80

Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
            85   90   95

Asn Glu Gly Thr Pro Thr Gly Pro Tyr Tyr Phe Asp Tyr Trp Gly Gln
            100   105   110

Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115   120   125

Gly Ser Gly Gly Gly Gly Ser Glu Asn Val Leu Thr Gln Ser Pro Ala

Ile Met Ser Ala Ser Pro Gly Glu Lys Val Thr Ile Thr Cys Ser Ala
145   150   155   160

Ser Ser Ser Val Ser Tyr Met His Trp Phe Gln Gln Lys Pro Gly Thr
                      165   170   175

Ser Pro Lys Leu Trp Ile Tyr Ser Thr Ser Asn Leu Ala Ser Gly Val
                      180   185   190

Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr
           195   200   205

Ile Ser Arg Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln
           210   215   220

Arg Ser Ser Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu
225   230   235   240

Lys Arg Ala Ala Thr Pro Val Ser Glu Lys Gln Leu Ala Glu Val Val
                      245   250   255

Ala Asn Thr Ile Thr Pro Leu Met Lys Ala Gln Ser Val Pro Gly Met
           260   265   270

Ala Val Ala Val Ile Tyr Gln Gly Lys Pro His Tyr Tyr Thr Phe Gly
           275   280   285

Lys Ala Asp Ile Ala Ala Asn Lys Pro Val Thr Pro Gln Thr Leu Phe
           290   295   300

Glu Leu Gly Ser Ile Ser Lys Thr Phe Thr Gly Val Leu Gly Gly Asp
305   310   315   320

Ala Ile Ala Arg Gly Glu Ile Ser Leu Asp Asp Ala Val Thr Arg Tyr
                      325   330   335

Trp Pro Gln Leu Thr Gly Lys Gln Trp Gln Gly Ile Arg Met Leu Asp
                      340   345   350

Leu Ala Thr Tyr Thr Ala Gly Gly Leu Pro Leu Gln Val Pro Asp Glu
           355   360   365

Val Thr Asp Asn Ala Ser Leu Leu Arg Phe Tyr Gln Asn Trp Gln Pro
    370   375   380

Gln Trp Lys Pro Gly Thr Thr Arg Leu Tyr Ala Asn Ala Ser Ile Gly
385   390   395   400

Leu Phe Gly Ala Leu Ala Val Lys Pro Ser Gly Met Pro Tyr Glu Gln
                405   410   415

Ala Met Thr Thr Arg Val Leu Lys Pro Leu Lys Leu Asp His Thr Trp
            420   425   430

Ile Asn Val Pro Lys Ala Glu Glu Ala His Tyr Ala Trp Gly Tyr Arg
        435   440   445

Asp Gly Lys Ala Val Arg Val Ser Pro Gly Met Leu Asp Ala Gln Ala
    450   455   460

Tyr Gly Val Lys Thr Asn Val Gln Asp Met Ala Asn Trp Val Met Ala
465   470   475   480

Asn Met Ala Pro Glu Asn Val Ala Asp Ala Ser Leu Lys Gln Gly Ile
                485   490   495

Ala Leu Ala Gln Ser Arg Tyr Trp Arg Ile Gly Ser Met Tyr Gln Gly
            500   505   510

Leu Gly Trp Glu Met Leu Asn Trp Pro Val Glu Ala Asn Thr Val Val
            515   520   525

Glu Thr Ser Phe Gly Asn Val Ala Leu Ala Pro Leu Pro Val Ala Glu
        530   535   540

Val Asn Pro Pro Ala Pro Pro Val Lys Ala Ser Trp Val His Lys Thr
545   550   555   560

Gly Ser Thr Gly Gly Phe Gly Ser Tyr Val Ala Phe Ile Pro Glu Lys
                565   570   575

Gln Ile Gly Ile Val Met Leu Ala Asn Thr Ser Tyr Pro Asn Pro Ala
            580   585   590

Arg Val Glu Ala Ala Tyr His Ile Leu Glu Ala Leu Gln
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Thr Pro Leu Met Lys Ala Gln Ser Val Pro Gly Met Ala Val Ala Val
        20   25   30

Ile Tyr Gln Gly Lys Pro His Tyr Tyr Thr Phe Gly Lys Ala Asp Ile
        35   40   45

Ala Ala Asn Lys Pro Val Thr Pro Gln Thr Leu Phe Glu Leu Gly Ser
    50   55   60

Ile Ser Lys Thr Phe Thr Gly Val Leu Gly Gly Asp Ala Ile Ala Arg
65   70   75   80

Gly Glu Ile Ser Leu Asp Asp Ala Val Thr Arg Tyr Trp Pro Gln Leu
                85   90   95

Thr Gly Lys Gln Trp Gln Gly Ile Arg Met Leu Asp Leu Ala Thr Tyr
            100   105   110

Thr Ala Gly Gly Leu Pro Leu Gln Val Pro Asp Glu Val Thr Asp Asn
        115   120   125

Ala Ser Leu Leu Arg Phe Tyr Gln Asn Trp Gln Pro Gln Trp Lys Pro
    130   135   140

Gly Thr Thr Arg Leu Tyr Ala Asn Ala Ser Ile Gly Leu Phe Gly Ala
145   150   155   160

Leu Ala Val Lys Pro Ser Gly Met Pro Tyr Glu Gln Ala Met Thr Thr
            165   170   175

Arg Val Leu Lys Pro Leu Lys Leu Asp His Thr Trp Ile Asn Val Pro
          180   185   190

Lys Ala Glu Glu Ala His Tyr Ala Trp Gly Tyr Arg Asp Gly Lys Ala
          195   200   205

Val Arg Val Ser Pro Gly Met Leu Asp Ala Gln Ala Tyr Gly Val Lys
          210   215   220

Thr Asn Val Gln Asp Met Ala Asn Trp Val Met Ala Asn Met Ala Pro
225   230   235   240

Glu Asn Val Ala Asp Ala Ser Leu Lys Gln Gly Ile Ala Leu Ala Gln
          245   250   255

Ser Arg Tyr Trp Arg Ile Gly Ser Met Tyr Gln Gly Leu Gly Trp Glu
          260   265   270

Met Leu Asn Trp Pro Val Glu Ala Asn Thr Val Val Glu Thr Ser Phe
          275   280   285

Gly Asn Val Ala Leu Ala Pro Leu Pro Val Ala Glu Val Asn Pro Pro
          290   295   300

Ala Pro Pro Val Lys Ala Ser Trp Val His Lys Thr Gly Ser Thr Gly
305   310   315   320

Gly Phe Gly Ser Tyr Val Ala Phe Ile Pro Glu Lys Gln Ile Gly Ile
          325   330   335

Val Met Leu Ala Asn Thr Ser Tyr Pro Asn Pro Ala Arg Val Glu Ala
          340   345   350

Ala Tyr His Ile Leu Glu Ala Leu Gln
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Phe Asn Ile Lys Asp Ser
            20   25   30

Tyr Met His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

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              35                    40                          45


Xaa Trp Ile Asp Pro Glu Asn Gly Asp Thr Glu Tyr Ala Pro Lys Phe
    50                  55                  60


Gln Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
65                  70                  75                  80


Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
                85                  90                  95


Xaa Xaa Gly Leu Pro Thr Gly Pro Tyr Tyr Phe Asp Tyr Xaa Xaa Xaa
            100                 105                 110


Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        115                 120                 125


Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    130                 135                 140


Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Ala
145                 150                 155                 160


Ser Ser Ser Val Ser Tyr Met His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            165                 170                 175


Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Thr Ser Asn Leu Ala Ser Xaa Xaa
        180                 185                 190


Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        195                 200                 205


Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gln Gln
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Arg Asp Ser Tyr Pro Leu Thr
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            20   25   30

Tyr Met His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35   40   45

Xaa Trp Ile Asp Pro Glu Asn Gly Asp Thr Glu Tyr Ala Pro Lys Phe
    50   55   60

Gln Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
65   70   75   80

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            85   90   95

Xaa Xaa Gly Leu Pro Leu Gly Ala Ile Tyr Asn Asp Tyr Xaa Xaa Xaa
        100   105   110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        115   120   125

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    130   135   140

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Ala
145   150   155   160

Ser Ser Ala Val Tyr Ala Met His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
                165   170   175

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Thr Ser Asn Leu Ala Ser Xaa Xaa
        180   185   190

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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Arg Asp Ser Tyr Pro Leu Thr
225   230

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Tyr Met His Trp Val Arg Gln Gly Pro Glu Gln Gly Leu Glu Trp Ile

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              35                      40                         45

Gly Trp Ile Asp Pro Glu Asn Gly Asp Thr Glu Tyr Ala Pro Lys Phe
   50                   55                  60

Gln Gly Lys Ala Thr Phe Thr Thr Asp Thr Ser Ser Asn Thr Ala Tyr
65                   70                  75                  80

Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Asn Glu Gly Leu Pro Thr Gly Pro Tyr Tyr Phe Asp Tyr Trp Gly Gln
               100                 105                 110

Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
               115                 120                 125

Gl
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